

Title (en)

VACUUM INSULATION PANEL AND REFRIGERATOR INCLUDING A VACUUM INSULATION PANEL

Title (de)

VAKUUMISOLATIONSPANEEL UND EIN KÜHLSCHRANK AUFWEISEND DAS VAKUUMISOLATIONSPANEEL

Title (fr)

PANNEAU D'ISOLATION SOUS VIDE ET RÉFRIGÉRATEUR AYANT LE PANNEAU D'ISOLATION SOUS VIDE

Publication

EP 2884208 B1 20210421 (EN)

Application

EP 14188779 A 20141014

Priority

KR 20130152885 A 20131210

Abstract (en)

[origin: EP2884208A1] A vacuum insulation panel includes a core material, a first sheathing material disposed outside the core material, and a second sheathing material having different thermal conductivity from the first sheathing material, the second sheathing material being coupled to the first sheathing material to form a space to receive the core material.

IPC 8 full level

F25D 23/06 (2006.01)

CPC (source: CN EP KR US)

B32B 5/02 (2013.01 - CN); **B32B 15/043** (2013.01 - KR US); **B32B 15/14** (2013.01 - CN); **B32B 15/20** (2013.01 - CN KR US);
B32B 17/061 (2013.01 - CN EP KR US); **F16L 59/065** (2013.01 - KR); **F25D 23/06** (2013.01 - KR); **F25D 23/065** (2013.01 - CN EP KR US);
B32B 2250/03 (2013.01 - US); **B32B 2262/101** (2013.01 - CN US); **B32B 2307/304** (2013.01 - CN US); **B32B 2307/724** (2013.01 - CN);
B32B 2311/24 (2013.01 - US); **B32B 2457/00** (2013.01 - CN); **B32B 2509/10** (2013.01 - US); **F25D 2201/14** (2013.01 - CN EP US);
Y10T 428/12597 (2015.01 - EP US); **Y10T 428/12611** (2015.01 - EP US); **Y10T 428/12764** (2015.01 - EP US)

Citation (examination)

- JP 2008008353 A 20080117 - TOPPAN PRINTING CO LTD
- JP 2000310392 A 20001107 - MATSUSHITA ELECTRIC IND CO LTD & DATABASE WPI Week 200114, Derwent World Patents Index; AN 2001-127854
- US 2003134078 A1 20030717 - URATA TAKAYUKI [JP], et al

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EP3775728A4; WO2019194604A1; US11480381B2; US11906232B2; EP3103635B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2884208 A1 20150617; EP 2884208 B1 20210421; AU 2014360996 A1 20160630; AU 2014360996 B2 20170406; CA 2933154 A1 20150618;
CA 2933154 C 20180710; CN 104696669 A 20150610; CN 104696669 B 20180911; JP 2017501350 A 20170112; KR 101752669 B1 20170630;
KR 20150067473 A 20150618; US 2015159937 A1 20150611; US 9404684 B2 20160802; WO 2015088241 A1 20150618

DOCDB simple family (application)

EP 14188779 A 20141014; AU 2014360996 A 20141210; CA 2933154 A 20141210; CN 201410715032 A 20141201; JP 2016537473 A 20141210;
KR 20130152885 A 20131210; KR 2014012120 W 20141210; US 201414471018 A 20140828